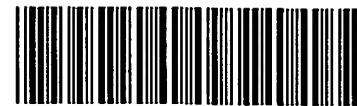# RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.

Application Serial Number: _10 /569,766A_

Source: _IFWP_

Date Processed by STIC: _9/26/06_

ENTERED :

RAW SEQUENCE LISTING   DATE: 09/26/2006
PATENT APPLICATION: US/10/569,766A   TIME: 10:35:20

Input Set : **A:\GENOM.032NP.TXT**
Output Set: **N:\CRF4\09262006\J569766A.raw**

```
 4 <110> APPLICANT: Crothers, Donald M.
 6 <120> TITLE OF INVENTION: OLIGONUCLEOTIDE SEQUESTERING AGENTS AND
 7       METHODS OF USE
 9 <130> FILE REFERENCE: GENOM.032NP
11 <140> CURRENT APPLICATION NUMBER: US 10/569,766A
12 <141> CURRENT FILING DATE: 2006-02-23
14 <150> PRIOR APPLICATION NUMBER: PCT/US2004/027412
15 <151> PRIOR FILING DATE: 2004-08-23
17 <150> PRIOR APPLICATION NUMBER: 60/497,821
18 <151> PRIOR FILING DATE: 2003-08-25
20 <160> NUMBER OF SEQ ID NOS: 26
22 <170> SOFTWARE: FastSEQ for Windows Version 4.0
24 <210> SEQ ID NO: 1
25 <211> LENGTH: 54
26 <212> TYPE: DNA
27 <213> ORGANISM: Homo sapiens
29 <400> SEQUENCE: 1
30 tctgtaagag cagatccctg gacaggcaag gaatacagag ggcagcagac atcg       54
32 <210> SEQ ID NO: 2
33 <211> LENGTH: 27
34 <212> TYPE: DNA
35 <213> ORGANISM: Artificial Sequence
37 <220> FEATURE:
38 <223> OTHER INFORMATION: Synthetic oligonucleotide sequence
40 <400> SEQUENCE: 2
41 gcctgtccag ggatctgctc ttacaga                                     27
43 <210> SEQ ID NO: 3
44 <211> LENGTH: 22
45 <212> TYPE: DNA
46 <213> ORGANISM: Artificial Sequence
48 <220> FEATURE:
49 <223> OTHER INFORMATION: Synthetic oligonucleotide sequence
51 <400> SEQUENCE: 3
52 ggacaaaata cctgtattcc tt                                          22
54 <210> SEQ ID NO: 4
55 <211> LENGTH: 41
56 <212> TYPE: DNA
57 <213> ORGANISM: Artificial Sequence
59 <220> FEATURE:
60 <223> OTHER INFORMATION: Synthetic oligonucleotide sequence
62 <220> FEATURE:
63 <221> NAME/KEY: modified_base
64 <222> LOCATION: 41
```

```
      65 <223> OTHER INFORMATION: n=dideoxyG
      67 <400> SEQUENCE: 4
W-->  68 gatccctgga caggccggaa gcggcttttt tgccgcttcc n          41
      70 <210> SEQ ID NO: 5
      71 <211> LENGTH: 41
      72 <212> TYPE: DNA
      73 <213> ORGANISM: Artificial Sequence
      75 <220> FEATURE:
      76 <223> OTHER INFORMATION: Synthetic oligonucleotide sequence
      78 <400> SEQUENCE: 5
      79 gtgccgagac gtttttttcgt ctcggcacta ggaatacagg t          41
      81 <210> SEQ ID NO: 6
      82 <211> LENGTH: 26
      83 <212> TYPE: DNA
      84 <213> ORGANISM: Artificial Sequence
      86 <220> FEATURE:
      87 <223> OTHER INFORMATION: Synthetic oligonucleotide sequence
      89 <400> SEQUENCE: 6
      90 ctcccgcaga caccttctcc ttcaag                             26
      92 <210> SEQ ID NO: 7
      93 <211> LENGTH: 15
      94 <212> TYPE: DNA
      95 <213> ORGANISM: Artificial Sequence
      97 <220> FEATURE:
      98 <223> OTHER INFORMATION: Synthetic oligonucleotide sequence
     100 <400> SEQUENCE: 7
     101 tgatgatgaa atcgg                                        15
     103 <210> SEQ ID NO: 8
     104 <211> LENGTH: 15
     105 <212> TYPE: DNA
     106 <213> ORGANISM: Artificial Sequence
     108 <220> FEATURE:
     109 <223> OTHER INFORMATION: Synthetic oligonucleotide sequence
     111 <400> SEQUENCE: 8
     112 tgatgatgaa atcga                                        15
     114 <210> SEQ ID NO: 9
     115 <211> LENGTH: 39
     116 <212> TYPE: DNA
     117 <213> ORGANISM: Artificial Sequence
     119 <220> FEATURE:
     120 <223> OTHER INFORMATION: Synthetic oligonucleotide sequence
     122 <220> FEATURE:
     123 <221> NAME/KEY: modified_base
     124 <222> LOCATION: 39
     125 <223> OTHER INFORMATION: n=dideoxyG
     127 <400> SEQUENCE: 9
W--> 128 ggtgtctgcg ggagcggaag cggctttttg ccgcttccn             39
     130 <210> SEQ ID NO: 10
     131 <211> LENGTH: 37
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RAW SEQUENCE LISTING   DATE: 09/26/2006
PATENT APPLICATION: US/10/569,766A   TIME: 10:35:20

Input Set : A:\GENOM.032NP.TXT
Output Set: N:\CRF4\09262006\J569766A.raw

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132 <212> TYPE: DNA
133 <213> ORGANISM: Artificial Sequence
135 <220> FEATURE:
136 <223> OTHER INFORMATION: Synthetic oligonucleotide sequence
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139 gctgcaccgc tttttttgcgg tgcacccgat ttcatca                    37
141 <210> SEQ ID NO: 11
142 <211> LENGTH: 37
143 <212> TYPE: DNA
144 <213> ORGANISM: Artificial Sequence
146 <220> FEATURE:
147 <223> OTHER INFORMATION: Synthetic oligonucleotide sequence
149 <400> SEQUENCE: 11
150 gctgcaccgc tttttttgcgg tgcactcgat ttcatca                    37
152 <210> SEQ ID NO: 12
153 <211> LENGTH: 96
154 <212> TYPE: DNA
155 <213> ORGANISM: Artificial Sequence
157 <220> FEATURE:
158 <223> OTHER INFORMATION: RC probe
160 <400> SEQUENCE: 12
161 gcacctcaaa gctgttccgt cccagttgac tatcctcagt gaattctagc tactggcaat 60
162 ctgatcccta tagtgagtcg tattacaggc acaaac                     96
164 <210> SEQ ID NO: 13
165 <211> LENGTH: 15
166 <212> TYPE: DNA
167 <213> ORGANISM: Artificial Sequence
169 <220> FEATURE:
170 <223> OTHER INFORMATION: Synthetic oligonucleotide sequence
172 <400> SEQUENCE: 13
173 agctactggc aatct                                             15
175 <210> SEQ ID NO: 14
176 <211> LENGTH: 20
177 <212> TYPE: DNA
178 <213> ORGANISM: Artificial Sequence
180 <220> FEATURE:
181 <223> OTHER INFORMATION: T7 promoter
183 <400> SEQUENCE: 14
184 ccctatagtg agtcgtatta                                        20
186 <210> SEQ ID NO: 15
187 <211> LENGTH: 6
188 <212> TYPE: DNA
189 <213> ORGANISM: Artificial Sequence
191 <220> FEATURE:
192 <223> OTHER INFORMATION: Eco RI site
194 <400> SEQUENCE: 15
195 gaattc                                                        6
197 <210> SEQ ID NO: 16
198 <211> LENGTH: 3
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RAW SEQUENCE LISTING   DATE: 09/26/2006
PATENT APPLICATION: US/10/569,766A   TIME: 10:35:20

Input Set : **A:\GENOM.032NP.TXT**
Output Set: **N:\CRF4\09262006\J569766A.raw**

```
199 <212> TYPE: DNA
200 <213> ORGANISM: Artificial Sequence
202 <220> FEATURE:
203 <223> OTHER INFORMATION: Synthetic oligonucleotide sequence
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206 gat                                                          3
208 <210> SEQ ID NO: 17
209 <211> LENGTH: 13
210 <212> TYPE: DNA
211 <213> ORGANISM: Artificial Sequence
213 <220> FEATURE:
214 <223> OTHER INFORMATION: Synthetic oligonucleotide sequence
216 <400> SEQUENCE: 17
217 caggcacaaa cac                                              13
219 <210> SEQ ID NO: 18
220 <211> LENGTH: 24
221 <212> TYPE: DNA
222 <213> ORGANISM: Artificial Sequence
224 <220> FEATURE:
225 <223> OTHER INFORMATION: Synthetic oligonucleotide sequence
227 <400> SEQUENCE: 18
228 gcacctcaaa gctgttccgt ccca                                  24
230 <210> SEQ ID NO: 19
231 <211> LENGTH: 21
232 <212> TYPE: DNA
233 <213> ORGANISM: Artificial Sequence
235 <220> FEATURE:
236 <223> OTHER INFORMATION: RC primer
238 <400> SEQUENCE: 19
239 gataggagtc acttaagatc g                                     21
241 <210> SEQ ID NO: 20
242 <211> LENGTH: 34
243 <212> TYPE: DNA
244 <213> ORGANISM: Homo sapiens
246 <400> SEQUENCE: 20
247 ctaatctgta agagcagatc cctggacagg caag                       34
249 <210> SEQ ID NO: 21
250 <211> LENGTH: 22
251 <212> TYPE: DNA
252 <213> ORGANISM: Homo sapiens
254 <400> SEQUENCE: 21
255 aaggaataca ggtattttgt cc                                    22
257 <210> SEQ ID NO: 22
258 <211> LENGTH: 14
259 <212> TYPE: DNA
260 <213> ORGANISM: Artificial Sequence
262 <220> FEATURE:
263 <223> OTHER INFORMATION: F5 1698 T7 Probe
265 <400> SEQUENCE: 22
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RAW SEQUENCE LISTING   DATE: 09/26/2006
PATENT APPLICATION: US/10/569,766A   TIME: 10:35:20

Input Set : **A:\GENOM.032NP.TXT**
Output Set: **N:\CRF4\09262006\J569766A.raw**

```
     266 gcctgtccag ggat                                              14
     268 <210> SEQ ID NO: 23
     269 <211> LENGTH: 37
     270 <212> TYPE: DNA
     271 <213> ORGANISM: Artificial Sequence
     273 <220> FEATURE:
     274 <223> OTHER INFORMATION: Synthetic oligonucleotide sequence
     276 <220> FEATURE:
     277 <221> NAME/KEY: modified_base
     278 <222> LOCATION: 37
     279 <223> OTHER INFORMATION: n=dideoxyG
     281 <400> SEQUENCE: 23
W--> 282 cctggacagg ccggaagcgg ctttttttgcc gcttccn                     37
     284 <210> SEQ ID NO: 24
     285 <211> LENGTH: 25
     286 <212> TYPE: DNA
     287 <213> ORGANISM: Homo sapiens
     289 <400> SEQUENCE: 24
     290 aaggaataca ggtattttgt ccttg                                   25
     292 <210> SEQ ID NO: 25
     293 <211> LENGTH: 25
     294 <212> TYPE: DNA
     295 <213> ORGANISM: Artificial Sequence
     297 <220> FEATURE:
     298 <223> OTHER INFORMATION: Synthetic oligonucleotide sequence
     300 <400> SEQUENCE: 25
     301 caaggacaaa atacctgtat tcctt                                   25
     303 <210> SEQ ID NO: 26
     304 <211> LENGTH: 40
     305 <212> TYPE: DNA
     306 <213> ORGANISM: Artificial Sequence
     308 <220> FEATURE:
     309 <223> OTHER INFORMATION: Synthetic oligonucleotide sequence
     311 <400> SEQUENCE: 26
     312 gtgccgagac gtttttttcgt ctcggcacaa ggaatacagg                  40
```

RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 09/26/2006
PATENT APPLICATION: **US/10/569,766A**   TIME: 10:35:21

Input Set : **A:\GENOM.032NP.TXT**
Output Set: **N:\CRF4\09262006\J569766A.raw**

Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:4; N Pos. 41
Seq#:9; N Pos. 39
Seq#:23; N Pos. 37

VERIFICATION SUMMARY   DATE: 09/26/2006
PATENT APPLICATION: **US/10/569,766A**   TIME: 10:35:21

Input Set : **A:\GENOM.032NP.TXT**
Output Set: **N:\CRF4\09262006\J569766A.raw**

L:68 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0
L:128 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0
L:282 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 after pos.:0